

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
for
Qualified Products List 4

**FLEXIBLE PLASTIC GASKET AND RUBBER GASKET
FOR CULVERT PIPE**

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Subsections 1006.05(Concrete Pipe Joints), 1006.06(Gasket Materials), 1006.07(Plastic Pipe Joints), 1007.09(Metal Pipe Joints), and 1016.02(Concrete Box Culvert Joints).

PRELIMINARY REQUIREMENTS:

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets with all pertinent information relative to the product to be evaluated; including, but not limited to, manufacturer's specifications, recommended application procedure including the recommended use of any primers and a Materials Safety Data Sheet (MSDS).

Certification and/or Test Reports

Submit a certificate of analysis reporting actual test results of the material properties for each product submitted.

Sample (to be furnished at no cost to the Department)

For extruded type plastic gaskets one (1) box of material will be required. For rubber gaskets four (4) feet of material, with one (1) splice in the middle, will be required, along with at least two sets of prepared rubber specimens as required by the ASTM test methods specified in Section 9.1 of AASHTO M315. Additional material will be required for hydrostatic testing if initial laboratory tests meet specifications.

TEST REQUIREMENTS:Laboratory Testing

The qualification sample shall be tested in accordance with the applicable procedures shown in the attached Subsection 1006.06.

After satisfactorily completing laboratory testing, hydrostatic tests will be required in accordance with AASHTO Designation: M315 and DOTD Standard Specifications, Subsection 1006.05-concrete pipe, 1006.07(d)- plastic pipe, 1007.09(f,g,h)- metal pipe and 1016.02-concrete box culverts . These tests will be performed by the manufacturer or its representative at no cost to the Department and witnessed by the Construction Fabrication Unit. A table from the manufacturer indicating the recommended size of gasket for a particular size pipe along with any recommended primer or lubricant shall be furnished.

If a primer or lubricant is recommended or used in the hydrostatic tests, it will be listed in the Qualified Products List if the gasket is approved and its use shall be required with the gasket.

Field Evaluation

A field evaluation by the Construction Fabrication Unit may be required on materials in which hydrostatic testing is not feasible.

Evaluation Time

Laboratory testing - 2 weeks

Field evaluation - 6 months

GENERAL:

Requirements on the test pipe will be supplied by the Construction Fabrication Unit after laboratory testing is completed. Gasket manufacturer will be required to purchase these test pipes.

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

PROJECT ACCEPTANCE REQUIREMENTS:

Qualification of a product is not blanket approval for its use. A sample shall be taken by Department personnel for each lot and size. Final acceptance of each lot and size is dependent upon test results which shall conform to the established specification requirements and which identify the sample as being representative of the product originally approved.

DISQUALIFICATION:

Any product may be removed from the Qualified Products List for non-conformance with specifications or performance requirements. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

REQUALIFICATION:

A product which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

Section

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Approved 7-01-02

N. Doug Hood, P.E.
MATERIALS ENGINEER ADMINISTRATOR